

Application No. 10826632 (Docket: CNTR.2230)
37 CFR 1.111 Amendment dated 10/19/2007
Reply to Office Action of 10/18/2007

RECEIVED
CENTRAL FAX CENTER
OCT 19 2007

AMENDMENTS TO THE ABSTRACT

Please delete the section entitled "ABSTRACT OF THE DISCLOSURE" in its entirety and substitute the following section therefor:

ABSTRACT OF THE DISCLOSURE

~~The present invention provides an apparatus~~ An apparatus and method for performing cryptographic operations. In one embodiment, an apparatus is provided for performing cryptographic operations. The apparatus includes ~~a cryptographic instruction~~ fetch logic, keygen logic, and execution logic. The fetch logic is disposed within a microprocessor and receives cryptographic instruction is received by a microprocessor as part of an instruction flow executing on the microprocessor. The cryptographic instruction prescribes one of the cryptographic operations, and also prescribes that a provided cryptographic key be expanded into a corresponding key schedule for employment during execution of the one of the cryptographic operations. The keygen logic is disposed within the microprocessor and is operatively coupled to the cryptographic instruction. The keygen logic directs the microprocessor to expand the provided cryptographic key into the corresponding key schedule. The execution logic is coupled to the keygen logic. The execution logic is disposed within the microprocessor and expands the provided cryptographic key into the corresponding key schedule.